PATENT USSN: 10/585,994 Atty Dkt: 033082M336

AMENDMENT

IN THE CLAIMS:

Please amend the claims as follows:

 (Original) A manufacturing method of a semiconductor device, comprising the steps of: depositing on a substrate a dielectric film made of fluorine-added carbon; forming on the dielectric film a protective layer comprising a nitrogen-added silicon carbide film; and

depositing on the protective layer a thin film serving as a hardmask made of oxygenadded silicon carbide by a plasma containing active species of silicon, carbon, and oxygen.

- 2. (Currently amended) The manufacturing method according to claim 1, wherein the plasma containing active species of silicon, carbon, and oxygen is a plasma obtained by activating a gas of an organic silicon compound and an oxygen gas.
- 3. (Currently amended) The manufacturing method according to claim 1, wherein the step of forming the protective layer includes the sub-steps of: depositing on the dielectric film a silicon carbide film by a <u>second</u> plasma containing active species of silicon and carbon; and

depositing on the silicon carbide film a film the nitrogen-added silicon carbide film by a third plasma containing active species of silicon, carbon, and nitrogen.

the step of forming the protective layer includes the sub-steps of: depositing on the dielectric film a silicon carbide film by a second plasma obtained by

4. (Currently amended) The manufacturing method according to claim 1, wherein

depositing on the dielectric film a silicon carbide film by a <u>second</u> plasma obtained by activating a gas of an organic silicon compound; and

depositing on the silicon carbide film a film the nitrogen-added silicon carbide film by a third plasma containing active species of an organic silicon compound and active species of nitrogen.

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5. (Currently amended) The manufacturing method according to claim 1, further comprising the steps of:

forming on the thin film serving as a hardmask the hardmask, a resist film having a specific first pattern;

etching the thin film by a <u>second</u> plasma through the resist film to obtain <u>a hardmask</u> the <u>hardmask</u> having a <u>second</u> pattern corresponding to that of the resist film the first pattern; and etching the dielectric film by a <u>third</u> plasma through the hardmask.

6-12. (Canceled)